

What is claimed is:

1. A minipin dental implant apparatus to secure a prosthesis comprising a threaded shaft with a flared transition to a hemispherical head;
said hemispherical head having an upper circular face with a central threaded blind hole;
a detachable abutment having a circular face having a projecting abutment threaded shaft,
said abutment threaded shaft mating with said threaded blind hole in said implant hemispherical head to form an anchor for an overlying prosthesis.
2. A minipin dental implant apparatus, as recited in claim 1, comprising a threaded shaft with a flared transition to a hemispherical head;
said hemispherical head having a circular face with a central threaded blind hole;
a detachable hemispherical abutment having a circular face having a projecting abutment threaded shaft, said abutment threaded shaft mating with said threaded blind hole in said minipin dental implant hemispherical head to form a spherical ball head to form an anchor for an overlying prosthesis.
3. A minipin dental implant, as recited in claim 1, comprising a threaded shaft with a flared transition to a hemispherical head;
said hemispherical head having a circular flat face with a central threaded blind hole ;

a detachable conical abutment having a circular face having a projecting abutment threaded shaft, said abutment threaded shaft mating with said threaded blind hole to form a truncated cone head.

4. A minipin dental implant as recited in claim 1, comprising a number of detents located in the surface of said hemispherical head to accommodate a driving and holding wrench.
5. A minipin dental implant as recited in claim 1, comprising a self-starting thread on said threaded shaft.
6. A minipin dental implant apparatus as recited in claim 1, comprising said detachable hemispherical abutment having an elongated cylindrical extension region to accommodate differing tissue and bone depths.
7. A minipin dental implant apparatus as recited in claim 1, comprising said detachable truncated conic abutment having an elongated cylindrical extension region to accommodate differing tissue and bone depths.
8. A minipin dental implant apparatus as recited in claim 1, comprising said detachable hemispherical abutment having an elongated cylindrical region having an o-ring retention groove.

9. A minipin dental implant apparatus as recited in claim 1, comprising said detachable truncated conic abutment having a hydrostatic relief groove with a substantially flat floor to relieve pressure while cementing prosthesis in place and to provide a window for applying a prying force to remove said prostheses.
10. A minipin dental implant apparatus as recited in claim 1, comprising said minipin implant and said detachable abutment with locking thread means.
11. A minipin dental implant apparatus as recited in claim 1, comprising said detachable abutment with a driving recess for mating said projecting abutment threaded shaft with said minipin implant said threaded blind hole.
12. A minipin dental implant apparatus comprising a threaded shaft with a flared transition to a prolate spheroidal head;
said prolate spheroidal head having a circumferential groove to catch and mate with a flexible lip to form an anchor for an overlying prosthesis.
13. A minipin dental implant as recited in claim 12, comprising flats in the surface of said prolate spheroidal head for a driving and holding wrench.
14. A minipin dental implant as recited in claim 12, comprising a shaped recess in the distal end of said prolate spheroidal head for a driving or holding wrench.

15. A minipin dental implant as recited in claim 1, comprising an offset detachable abutment.

16. A minipin dental implant as recited in claim 12, comprising an offset detachable abutment.

Respectfully submitted.

A handwritten signature in black ink, appearing to read 'E. L. Schacht', with a long, sweeping horizontal stroke extending to the right.

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